

WHAT IS CLAIMED IS:

1. An adapter for the firing tip of a nail gun, which comprises:

a member having a top, a bottom, and sidewalls, said member having an upper hollow portion having a cylindrical shape, a predetermined depth and a predetermined diameter, and having a lower hollow portion having at least one cross section that is less than said predetermined diameter, said upper hollow portion and said lower hollow portion being connected and establishing a complete passage through said member from said top to said bottom, said member having an inner lower portion that includes at least two internal tapers that are tapered outwardly toward said bottom.

2. The adapter of claim 1 wherein said member sidewalls is a circular sidewall of a predetermined diameter.

3. The adapter of claim 1 wherein said outer lower portion is tapered with two tapers, one opposite the other.

4. The adapter of claim 3 wherein each of said two tapers are flat planer tapers.

5. The adapter of claim 4 wherein said flat planer tapers to form an angle of about 20° to 45° with said bottom.

6. The adapter of claim 3 wherein said at least one of said two tapers is a curved taper.

5 7. The adapter of claim 6 wherein said curved taper is concave.

8. The adapter of claim 7 wherein said curved taper has a fixed diameter.

9. The adapter of claim 1 wherein said member is made of a material  
10 selected from the group consisting of metal, plastic and rubber.

10. The adapter of claim 1 wherein said lower hollow portion has a cylindrical shape and has a diameter that is less than said predetermined diameter of said upper hollow portion.

15 11. An adapter for the firing tip of a nail gun, which comprises:

a member having a top, a bottom, and sidewalls, said member having an upper hollow portion having a cylindrical shape, a predetermined depth and a predetermined diameter, and having a lower  
20 hollow portion having at least one cross section that is less than said predetermined diameter, said upper hollow portion and said lower hollow portion being connected and establishing a complete passage through said member from said top to said bottom, said member having

an inner lower portion that includes at least two internal tapers that are tapered outwardly toward said bottom.

12. A nail gun and adapter, which comprises:

- 5                   a.) a nail gun having a power source for feeding and firing nails, a nail feeder, and a firing tip for exit of fired nails, said firing tip having a cylindrical outer shape with a fixed tip diameter; and,
- 10                   b.) an adapter, being a member having a top, a bottom, and sidewalls, said member having an upper hollow portion having a cylindrical shape, a predetermined depth and a predetermined diameter, and having a lower hollow portion having at least one cross section that is less than said predetermined diameter, said upper hollow portion and said lower hollow portion being connected and establishing a complete passage through said member from said top to said
- 15                   bottom, said member having an outer lower portion that includes at least one taper that is tapered inwardly toward said bottom wherein said predetermined diameter of said upper hollow portion of said member is appropriately equal to said fixed tip diameter, and wherein said upper hollow portion of said member is tightly fitted
- 20                   to said firing tip.

13. The nail gun and adapter of claim 12 wherein said member sidewalls is a circular sidewall of a predetermined diameter.

14. The nail gun and adapter of claim 12 wherein said outer lower portion is tapered with two tapers, one opposite the other.

5 15. The nail gun and adapter of claim 14 each of said two tapers are flat planer tapers.

16. The nail gun and adapter of claim 14 wherein said at least one of said two tapers is a curved taper.

10

17. The nail gun and adapter of claim 16 wherein said curved taper is concave.

15

18. The nail gun and adapter of claim 16 wherein said curved taper has a fixed diameter.

19. The nail gun and adapter of claim 12 wherein said member is made of a material selected from the group consisting of metal, plastic and rubber.

20

20. The nail gun and adapter of claim 12 wherein said lower hollow portion has a cylindrical shape and has a diameter that is less than said predetermined diameter of said upper hollow portion.